

Amendment to Claims (with marking)

The following listing of claims will replace all prior versions and listings of claims:

1. (currently amended) An integrated-shaping discharge tubes~~automatic one-shot-modeled for a one-shot-modeled~~ compact fluorescent lamps (CFL)~~-discharge tube typically constituted of several said discharge tubes, comprising~~

- a) a conveyer;
- b) straight discharge tubes, comprised of portions and disposed upon said conveyer;
- c) a heater with three wide flame nozzles of different flaming temperatures, arranged physically in series for flaming different portions of said straight discharge tubes;
- d) a pair of integrated-shaping dies, including a male die and a corresponding cavity;
- e) a mechanic arm controlling the opening-up and closing-off of said pair of integrated-shaping dies;

wherein each of said discharge tubes disposed upon said conveyer is shipped into said heater and treated in portions of said discharge tube by one or more said wide flame nozzles of preset temperatures for a preset duration simultaneously into a U-tube with a pair of leg tubes for fitting into said pair of integrated-shaping dies when said mechanic arm opens up said pair of dies for receiving said U-tube, and closes off said pair of dies for moulding said U-tube within by blowing high pressure air to said U-tube said for forming a U-tube with a preset curvature radius.

appears to an U-shaped glass tube with two close-parallel leg tubes, and said both parallel leg tubes are bent to a curve with a certain curvature radius simultaneously, just as appearing to ")"
shape in the side view.

2. (currently amended) An ~~automatic one-shot modeled~~ Integrated-shaping discharge tubes for a one-shot-modeled compact fluorescent lamps (CFL) discharge tube as claimed in claim 1, wherein the diameter of said pair of leg tubes of thesaid U-like discharge tube is in the range of 6. to about .12 mm.

3. (currently amended) An ~~automatic~~ Integrated-shaping discharge tubes for a one-shot-modeled compact fluorescent lamps (CFL) ~~discharge tube~~ as claimed in claim 1, wherein said U-discharge tube is bent to the shape of an arc or an arc with ellipticity.

4. (currently amended) An ~~automatic~~ Integrated-shaping discharge tubes for a one-shot-modeled compact fluorescent lamps (CFL) ~~discharge tube~~ as claimed in claim 1, wherein the number of ~~the~~said discharge tubes is two in 2. about 5 or more.

5. (currently amended) An ~~automatic~~ Integrated-shaping discharge tubes for a one-shot-modeled compact fluorescent lamps (CFL) ~~discharge tube~~ as claimed in claim 1, wherein ~~several two or more~~ said U-tube with a preset curvature radius ~~discharge tubes are integrated assembled~~ into a ~~whole~~ compact fluorescent lamps (CFL), ~~which can be configured to be in~~ a circle, an ellipse, a rectangle, a triangle or a polygon in the top view thereof.

6. (cancelled)

7. (currently amended) An integrated-shaping discharge tubes~~automatic one-shot modeled for a~~
~~A method of manufacturing the automatic~~ one-shot-modeled compact fluorescent lamps (CFL)

discharge tube as claimed in claim 61, wherein in said first step, the glass tube is conveyed to lying above three said wide-section flaming nozzles having come of different wide width of flaming just as one or three flaming segments to be heated to melt soft.

8. (currently amended) An Integrated-shaping discharge tubes for a method of manufacturing the automatic a one-shot-modeled compact fluorescent lamps (CFL) discharge tube as claimed in claim 61, wherein in said first step, the wide flame -nozzles are arranged in the sequence of quadrature single-segment, followed by ~~forward~~ single-segment, followed by ~~forward~~ three triple-segments.

9. (currently amended) An Integrated-shaping discharge tubes for a method of manufacturing the automatic one-shot-modeled compact fluorescent lamps (CFL) discharge tube as claimed in claim 61, wherein in said first step, the said wide flame -nozzles are arranged in the sequence of quadrature single-segment, followed by ~~forward~~ three triple-segments, followed by ~~forward~~ single-segment.

10. (currently amended) An Integrated-shaping discharge tubes for a method of manufacturing the automatic one-shot-modeled compact fluorescent lamps (CFL) discharge tube as claimed in claim 61, wherein in said first step, according to the based on manufacturer's desired sinuosity of the said U-glass-tube, different segment is portions of said U-tube are treated with different heating temperatures by said wide flame nozzles.

11. (currently amended) An Integrated-shaping discharge tubes for method of manufacturing the

~~automatica~~ one-shot-modeled compact fluorescent lamps (CFL) ~~discharge tube~~ as claimed in claim 10~~1~~, wherein ~~in the first step, according to~~ based on the manufacturer's desired sinuosity of the ~~said U-glass~~ said U-tube, different ~~segment~~ portions of said U-tube ~~is~~ are treated with different heating temperatures of flames by said wide flame nozzles in stage treatment.

12. (currently amended) ~~An Integrated-shaping discharge tubes for method of manufacturing the automatica~~ one-shot-modeled compact fluorescent lamps (CFL) ~~discharge tube~~ as claimed in claim 10~~1~~, wherein ~~in the first step, according to~~ based on the manufacturer's desired sinuosity of the ~~glass~~ said U-tube, different ~~segment~~ portions of said U-tube ~~is~~ are treated with ~~the same~~ heating temperatures of flame and different heating period of time by said wide flame nozzles in stage treatment.

13. (currently amended) ~~An Integrated-shaping discharge tubes for method of manufacturing the automatica~~ one-shot-modeled compact fluorescent lamps (CFL) ~~discharge tube~~ as claimed in claim 10~~1~~, wherein ~~in the first step, according to~~ based on the manufacturer's desired sinuosity of the ~~glass~~ said U-tube, different ~~segment~~ portions of said U-tube ~~are~~ are treated with different heating temperature flame and different heating ~~period time in stage treatment~~ by said wide flame nozzles.

14. (currently amended) ~~An Integrated-shaping discharge tubes for modeling die used for manufacturing the automatica~~ one-shot-modeled compact fluorescent lamps (CFL) ~~discharge tube, as claimed in claim 1, typically includes~~ a cavity die and a male die, wherein the die ~~part~~ delimiting boundary face for said two dies is formed along ~~with~~ curved axils of the

discharge tube so that the U-groove is divided two half-portions respectively formed on the cavity die and the male die along with the die parting face, the cross-section of the U-groove on each die appears to half circle.

15. (currently amended) ~~An Integrated-shaping discharge tubes for modeling die used for manufacturing the automatica~~ one-shot-modeled compact fluorescent lamps (CFL) ~~discharge tube~~ as claimed in claim 14], wherein the radius of ~~the U-grooves~~said U-tube is in the range of 2.5 about to .6.5 mm, with the preferred value being is in the range of 4.0 about to 6.0 mm.

16. (currently amended) ~~An Integrated-shaping discharge tubes for modeling die used for manufacturing the automatica~~ one-shot-modeled compact fluorescent lamps (CFL) ~~discharge tube~~ as claimed in claim 14], wherein ~~the~~said U-groove on the cavity die is kept ~~in~~-smooth, and the bottom side is built ~~upon~~-with ejector pin with a cone tip ~~for facilitating to stripping.~~